M. A. R. 57 (Rule 116) **No. D**

Measurement Book

58933

Serial No. 2nd and final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Dhanagiya. M.L. Bargalon.

Date of commencement of work..... D.O. Record.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work : Improvements to Roads of Board of Medarahaly Janata colony cross-Road in Ward no. 12, Shettyhally Sub-Division						
	Estimated cost Rs	50.00 Lakh.					
	JOB. no :	012-18-000013					
	Work order no :	EE/DD/WO/317/2017-18. Dt. 21-03-2018					
	Date of commencement :	22-03-2018					
	Date of completion :	04-08-2018					

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
①	Earthwork Excavation by manual means in ordinary soil, including all average horizontal throw upto 2m and all average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and directions of Engineer-in-charge of work.						
	(a) Provisional qty - vide MB. no 589/17-18 * ① p.no 58876					• 489.36 m³	
	(b) Present qty - vide this MB. p.no 58992 * no ①					• 395.81 m³	
						Total 885.17 m³	R. 72680.68
						deduct - P.qnty	489.36 m³
						Net	395.81 m³

₹ 184.21/m³

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

53934

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
②	Providing and laying in position plain cement concrete of mix 1:4:8 (1 part cement to 4 parts coarse sand to 8 parts graded granite metal coarse aggregate 0.85 m³ and fine aggregate 0.57 m³, machine mixed, concrete laid in layers not exceeding 15 cm thick well compacted and finishing, including curing all materials, labour, hire of machinery and tools complete as per specification and directions of Engineer-in-charge of work.						
	(a) Provisional qty vide MB. 589/17-18 * ②					• 67.37 m³	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	(b) Present qty = vide this MB. p. no 58993 :					40.87 87.34 m³	
	✱ 40. ⑤						
						108.24 m³	
	deduct					67.37	
						need = 40.87 m³ @ 5406.65 Rs/m³	2,20,969.79
3)	Providing and laying in position reinforced cement concrete of design. M 20 using OPC cement @ 320 kgs per 10 cum and down size graded granite metal course aggregate @ 0.69 m³ and fine aggregate @ 0.46 m³, using super plasticizer @ 2 lits confirming to IS-9103-1999 re-proportioned -200%, including required cement load in layers not exceeding 15 cms thick						

M. A. R. 57 (Rule 116) No. D
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

58935

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	vibrated for all works in foundation for footings, pedestals, retaining walls, abutments retaining wall, return walls, including attached platform, return, piers, abutments etc complete as per specification and directions of Engineer-in-charge of work.						
	(a) Previous qty vide MB. no 589 ✱ ⑤		17-18		p. 58826	= 146.99 m³	
	(b) Present qty						
	① deduct Balance e.e	vide this MB. p. 58994			✱ ⑤	39.28 m³	
	② deduct brick wall						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	(4 nos ROs) Different colony	3×4	30.00	0.15	0.65	35.10 m³	
		1×4	9.70	0.15	0.65	3.78	
	4 nos Rms.	2×1	30.00	0.15	0.65	5.85	
		2×1	20.00	0.15	0.15	2.90	
						234.9 m³	
			deduct		P.pad	146.99	
					net qty	87.91 m³	
				LH 4.	87.91 m³		582,344.74
					@	6677.50/m	
4)	Providing and removing, centring, shuttering, strutting, propping etc and removal of form work for reinforced purposes, slabs as walls at any thickness, including attached pilasters, buttresses						

M. A. R. 57 (Rule 116) No. D
Measurement Book

58936

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	plinth, cills and string courses, costing all materials, labour, complete as per specifications of Executive Engineer in-charge work.						
	(a) Previous qty - vide MB. no 5891/7.18.p.58826 ## no - (1)					= 1224.90 m²	
	(b) Present qty - vide this mb. p. 58994, ## no (1)					= 729.10	
						total 1954.00 m²	
				deduct	P.pad qty.	1221.90	237,314.25
					net	729.10 m²	
					@	325.50/m²	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5) Providing mild steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design, drawing, instructions, labour, stores etc. all incidentals complete as per specifications and directions of Engineer-in-charge of work.						
	(a) Provisionally vide MB No. 583/19-18-19 (5)						
	Pole 58826					= 9.55	
	(b) Provisionally vide MB No. 583/19 p. 58993 (4)					= 5.77	
		14 nos (5)				Total 15327 Kgs	

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Measurement Book

58937

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement	
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7	8	
					Deduct provision paid qty = 9.55 Kgs			
					act = 5.77 Kgs			
					@ 67327.1=/Kg			3,88,777.37
	6) Providing and laying reinforced cement concrete precast slabs of C.C 1:1½:3 using 20mm - 4 down size graded granite metal using 12mm - down size and 10mm down c/c Both works and complete as per specification.							
	(6) Provisionally vide MB No. 583/2017-18 p. no. 58824 Sr. (4)					= 367.447 Kgs		

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	(b) - Present qty						
	Abbaye Gmeday	2×3	30.40	-	0.90	162.00 m²	
	4M' CRon. Slabs	2×1	9.70	-	0.90	17.46	
		1	24.40	-	0.90	21.60	
						201.06 m²	
						568.53	
			deduct		P.Pad	367.47	
					Amt.	201.06 m²	
					Unit	200.034 m²	
					@	1680/m²	336053.40
						Total Rs	18,58,040.76

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

53938

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
			Chikkahonnur main Road				N
			Abbaye Gmeday				
			5 nos				
			9m				
			4m				
			77.00				
			5 nos				

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